

ABSTRACT

An output signal of digital baseband processing section 41 is directly input, and receiver noise adding section 103 adds receiver noise simulating the SNR variation due to fading to the signal while keeping an entire signal level constant in single-path channel simulation, while in multipath channel simulation, instantaneous variation adding section 101 and short-term interval variation adding section 102 add only amplitude variations to respective signals of paths, and automatic gain control section 104 keeps a level of the path-combined signal constant, whereby it is possible to evaluate channel performance of digital baseband processing section 41 without waiting for development of radio circuit 53, i.e. without an AGC circuit and AFC circuit in reception system 50.